DVD Video player

DVD751

Toll Free Help Line

Ligne d'assistance en service libre

Linea de ayuda telefónica sin cargo

800-531-0039

Let's make things better.

PHILIPS

Return your Warranty Registration card today to ensure you receive all the benefits you're entitled to.

- *Once your Philips purchase is registered, you're eligible to receive all the privileges of owning a Philips product.*
- *So complete and return the Warranty Registration Card enclosed with your purchase at once. And take advantage of these important benefits.*

Warranty Verification

Registering your product within 10 days confirms your right to maximum protection under the terms and conditions of your Philips warranty.

Owner Confirmation

Your completed Warranty Registration Card serves as verification of ownership in the event of product theft or loss.

Model Registration

Returning your Warranty Registration Card right away guarantees you'll receive all the information and special offers which you qualify for as the owner of your model.

PHILIPS

Congratulations on your purchase, and welcome to the "family!"

Dear Philips product owner:

Thank you for your confidence in Philips. You've selected one of the best-built, best-backed products available today. And we'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the Philips "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry.

What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

And most importantly you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome–and thanks for investing in a Philips product.

Sincerely,

Robert Minkhorst
President and Chief Executive Officer

P.S. Remember, to get the most from your Philips product, you must return your Warranty Registration Card within 10 days. So please mail it to us right now!

Know these safety *symbols*

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, and fully insert.

For Customer Use
Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

MA

Index

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The region code for this set is 1.

Since it is usual for DVD movies to be released at different times in different regions of the world, all players have region codes and discs can have an optional region code. If you load a disc of a different region code to your player, you will see the region code notice on the screen. The disc will not play and should be unloaded.

NOTE:
PICTURES SHOWN MAYBE DIFFERENT BETWEEN COUNTRIES.

NEVER MAKE OR CHANGE CONNECTIONS WITH THE POWER SWITCHED ON.

CAUTION

VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AVOID EXPOSURE TO BEAM (WARNING LOCATION: INSIDE ON LASER COVERSHIELD OR THE BACKPLATE OF SET)

LASER SAFETY

This unit employs a laser. Due to possible eye injury, only a qualified service person should remove the cover or attempt to service this device.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

LASER	
Type	Semiconductor laser GaAlAs
Wave length	650 nm (DVD) 785 nm (VCD/CD)
Output Power	7 mW (DVD) 10 mW (VCD/CD)
Beam divergence	60 degree

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This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

TruSurround and the SRS symbol are trademarks of SRS Labs., Inc. TruSurround technology is manufactured under license from SRS Labs., Inc.

TruSurround™
by SRS®

CLASS 1
LASER PRODUCT

For Customer Use:

Read carefully the information located at the bottom of your DVD-VIDEO player and enter below the Serial No. Retain this information for future reference.

Model No. DVD-VIDEO 751 Serial No. _____

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol warns the user that uninsulated voltage within the unit may have sufficient magnitude to cause electric shock. Therefore, it is dangerous to make any kind of contact with any inside part of this unit.

This symbol alerts the user that important literature concerning the operation and maintenance of this unit has been included. Therefore, it should be read carefully in order to avoid any problems.

WARNING

To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

CAUTION

Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure.

The set complies with the FCC-Rules, Part 15 and with 21 CFR 1040.10.

Canada

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

AVISO
RIESGO DE CHOQUE ELÉCTRICO
NO ABRIR
Atención: Para reducir el riesgo de choque elécrico,
no quite la tapa (o el panel posterior).
En su interior no hay piezas que el usuario pueda reparar.
Para servicio dirijase a personal calificado.

Este símbolo tiene por finalidad advertir al usuario de la presencia de tensión peligrosa no aislada dentro de la caja del aparato, que puede ser lo suficientemente fuerte para constituir un peligro de choque eléctrico.

Este símbolo sirve para advertir al usuario de la presencia de instrucciones de manejo y mantenimiento (servicio) importantes en el manual que acompaña al aparato.

AVISO

Para reducir el riesgo de fuego o choque eléctrico, no exponga el aparato a la lluvia o humedad.

ATENCIÓN

El uso de mando o ajustes o la ejecucción de métodos que no sean los aquí descritos puede ocasionar peligro de exposición a radiación.

El aparato cumple las normas FCC, Parte 15 y 21 CFR 1040.10.

AVIS
RISQUE DE CHOCS ÉLECTRIQUES
NE PAS OUVRIR
Attention: Afin de prévenir le risque de chocs électriques,
ne pas retirer les vis.
Toute réparation devrait être confiée à un personnel qualifié.

Ce symbole indique la présence d'une tension suffisamment élevée pour engendrer un risque de chocs électriques.

Ce symbole indique que le manuel d'installation fourni avec l'appareil contient d'importantes recommandations quant au fonctionnement et à l'entretien de ce dernier.

AVIS

Afin de réduire tout risque d'incendie ou de choc électrique, il ne faut pas exposer cet appareil à la pluie ou à l'humidité.

ATTENTION

L'utilisation des commandes ou réglages ou le non-respect des procédures ci-incluses peuvent se traduire par une exposition dangereuse à l'irradiation.

L'appareil répond aux normes FCC, Part 15 et 21 CFR 1040.10.

Canada

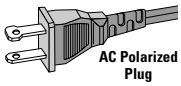
Cet appareil numérique n'emet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Class B prescrites dans le Règlement sur le Brouillage Radioélectrique édicté par le Ministère des Communications du Canada.

IMPORTANT SAFETY INSTRUCTIONS –

Read before operating equipment

This product was designed and manufactured to meet strict quality and safety standards. There are, however, some installation and operation precautions which you should be particularly aware of.

1. **Read these instructions** – All the safety and operating instructions should be read before the appliance is operated.
2. **Keep these instructions** – The safety and operating instructions should be retained for future reference.
3. **Heed all warnings** – All warnings on the appliance and in the operating instructions should be adhered to.
4. **Follow all instructions** – All operating and use instructions should be followed.
5. **Do not use this apparatus near water** – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement or near a swimming pool, etc.
6. **Clean only with a damp cloth**. The appliance should be cleaned only as recommended by the manufacturer.
7. **Install in accordance with the manufacturer's instructions. Do not block any of the ventilation openings**. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface or placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
8. **Do not install near any heat sources** such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. **Do not defeat the safety purpose** of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.



10. **Protect the power cord** from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. **Only use attachments/accessories** specified by the manufacturer.
12. **Use only with a cart,** stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. **Unplug this apparatus** during lightning storms or when unused for long periods of time.
14. **Refer all servicing** to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

EL 4562-E004: 99/3

LIMITED WARRANTY

DVD VIDEO PLAYER

90 Days Free Labor
One Year Exchange Warranty on Parts
This product must be carried in for repair.

WHO IS COVERED?

You must have proof of purchase to receive warranty service. A sales receipt or other document showing that you purchased the product is considered proof of purchase.

WHAT IS COVERED?

Warranty coverage begins the day you buy your product. *For 90 days thereafter*, all parts will be repaired or replaced, and labor is free. *From 90 days to one year from the day of purchase,* all parts will be repaired or replaced, but you pay for all labor charges. *After one year from the day of purchase,* you pay for the replacement or repair of all parts, and for all labor charges.

All parts, including repaired and replaced parts, are covered only for the original warranty period. When the warranty on the product expires, the warranty on all replaced and repaired parts also expires.

WHAT IS EXCLUDED?

Your warranty does not cover:

- labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- product repair and/or part replacement because of misuse, accident, unauthorized repair or other cause not within the control of Philips Consumer Electronics.
- reception problems caused by signal conditions or cable or antenna systems outside the unit.
- a product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
- a product that is used for commercial or institutional purposes (including but not limited to rental purposes).

WHERE IS SERVICE AVAILABLE?

Warranty service is available in all countries where the product is officially distributed by Philips Consumer Electronics. In countries where Philips Consumer Electronics does not distribute the product, the local Philips service organization will attempt to provide service (although there may be a delay if the appropriate spare parts and technical manual(s) are not readily available).

MAKE SURE YOU KEEP...

Please keep your sales receipt or other document showing proof of purchase. Attach it to this owner's manual and keep both nearby. Also keep the original box and packing material in case you need to return your product.

BEFORE REQUESTING SERVICE...

Please check your owner's manual before requesting service. Adjustments of the controls discussed there may save you a service call.

TO GET WARRANTY SERVICE IN U.S.A., PUERTO RICO OR U.S. VIRGIN ISLANDS...

Take the product to a Philips factory service center (see enclosed list) or authorized service center for repair. When the product has been repaired, you must pick up the unit at the center. Centers may keep defective parts.

(In U.S.A., Puerto Rico and U.S. Virgin Islands, all implied warranties, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the duration of this express warranty. Because some states do not allow limitations on how long an implied warranty may last, this limitation may not apply to you.)

TO GET WARRANTY SERVICE IN CANADA...

Please contact Philips at:

1-800-661-6162 (French Speaking)
1-800-363-7278 (English Speaking)

(In Canada, this warranty is given in lieu of all other warranties. No other warranties are expressed or implied, including any implied warranties of merchantability or fitness for a particular purpose. Philips is not liable under any circumstances for any direct, indirect, special, incidental or consequential damages, howsoever incurred, even if notified of the possibility of such damages.)

REMEMBER...

Please record the model and serial numbers found on the product below. Also, please fill out and mail your warranty registration card promptly. It will be easier for us to notify you if necessary.

MODEL # _____

SERIAL # _____

This warranty gives you specific legal rights. You may have other rights which vary from state/province to state/province.

Philips Service Solutions Group, P.O. Box 2976, Longview, Texas 75606, (903) 242-4800

EL6191E003 / MAC 6058 / 12-98

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Entertainment for the new millennium

Video was never like this before! Digital video discs provide perfect digital, studio-quality pictures; three dimensional digital, multi-channel audio; story sequences screened from your choice of camera angle; sound tracks in as many as eight languages; and up to 32 subtitles (if available on disc). Whether you watch DVD-Video on wide-screen or regular TV, you always see it the way it was meant to be.

Digital video

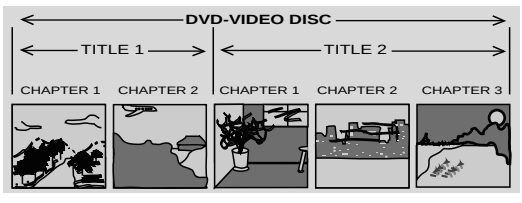
DVD-Video uses state-of-the-art MPEG2 data compression technology to register an entire movie on a single 5-inch disc. DVD's variable bitrate compression, running at up to 9.8 Mbits/second, captures even the most complex pictures in their original quality.
The crystal-clear digital pictures have a horizontal resolution of over 500 lines, with 720 pixels (picture elements) to each line. This resolution is more than double that of VHS, superior to Laser Disc, and entirely comparable with digital masters made in recording studios.
DVD-Video discs conform to either the PAL or NTSC video standard. This player can play both PAL and NTSC discs, presenting them in the best possible way on your multi-standard TV screen.
As the universal video system of the future, DVD-Video offers optimal pictures on any TV screen.

Introduction

Your Philips DVD-Video player will play digital video discs conforming to the universal DVD-Video standard. With it, you will be able to enjoy full-length movies with true cinema picture quality, as well as stereo or multi-channel sound (depending on the disc and your playback setup). The unique features of DVD-Video, such as selection of sound track, subtitle languages and different camera angles (again depending on the disc), are all included. What's more, Philips Child Lock lets you decide which discs your children will be able to see.
In addition to DVD-Video discs, you will be able to play all Video CDs and Audio CDs (including finalized CD Recordable and CD Rewritable). You will find the On-Screen Display, player display, and remote control make the player easy to use. This manual provides all the information you will need, so read on!

DVD-Video

You will recognize DVD-Video discs by the logo shown on left. Depending on the material on the disc (a movie, video clips, a drama series, etc.) the disc may have one or more Titles. Each Title may have one or more Chapters. To make playback easy and convenient, your player lets you select Titles and playback Chapters.



Video CD

You will recognize Video CDs by the logo shown at left.
Depending on the material on the disc (a movie, video clips, a drama series, etc.) the disc may have one or more tracks. Tracks may have one or more indexes, as indicated on the disc case. To make playback easy and convenient, your player lets you select tracks and indexes.

Super VCD

SVCD discs based on the Super VCD IO Standard based on the Standard of the Electronics Industry of the People's Republic of China

Audio CD

Audio CDs contain music tracks only.
You will recognize Audio CDs by their logo which is shown at left.
You can play them in conventional style through a stereo system, using the keys on the remote control and/or front panel, or via the TV using the On-Screen Display (OSD).

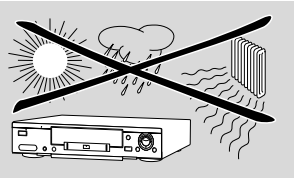
Unpacking

First check and identify the contents of your DVD-Video player package. You should have the following items.
- DVD-Video player
- Remote Control with batteries
- AC power cord
- Audio/Video cable
- Instructions for use

If any item is damaged or missing, contact your retailer or Philips.

Keep the packaging materials; you may need them to transport your player in the future.

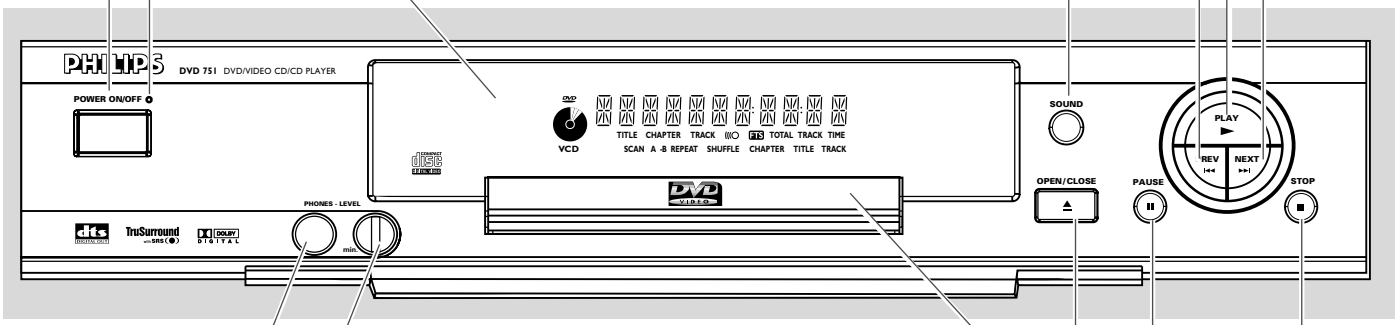
Placement



- Place the player on a firm, flat surface.
- Keep the player away from domestic heating equipment and direct sunlight.
- In a cabinet, allow about 2.5 cm (1 inch) of free space all around the player for adequate ventilation.
- If the DVD-Video player cannot read CDs/DVDs correctly, use a commonly available cleaning CD/DVD to clean the lens before taking the DVD-Video player to be repaired. Other cleaning methods may destroy the lens. Always keep the tray closed to avoid dust on the lens.
- The lens may cloud over when the DVD-Video player is suddenly moved from cold to warm surroundings. Playing a CD/DVD is not possible then. Leave the DVD-Video player in a warm environment until the moisture evaporates.

Functional overview

Front panel



POWER ON/OFF - switches the player to ON or OFF

Standby indicator - lights red when the player is in Standby mode

Display
- shows the current status of the player

►►|
- NEXT title/chapter/track

▶ PLAY
- starts video/audio play

|◄◄
- PREVious title/chapter/track

SOUND
- selects Stereo, Dolby Surround or 3D-Sound

Disc tray

▲ OPEN/CLOSE
- opens/closes the disc tray

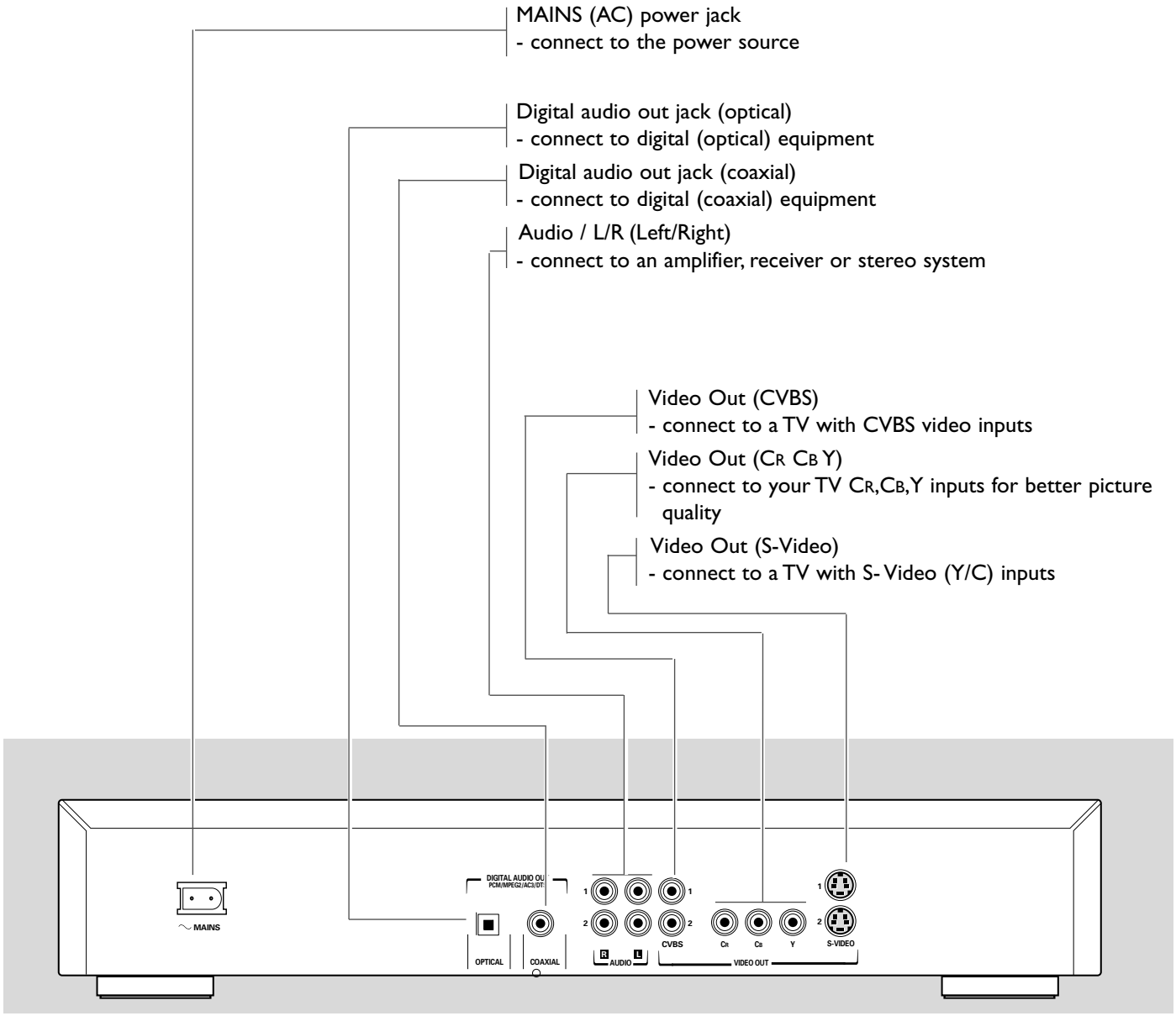
II PAUSE
- interrupts video/audio play or advances to the next picture frame

■ STOP
- stops video/audio play

LEVEL
- headphone volume control

PHONES
- for connecting headphones

Rear panel

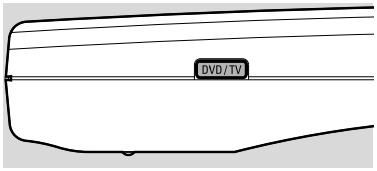

MAINS (AC) power jack
- connect to the power source
Digital audio out jack (optical)
- connect to digital (optical) equipment
Digital audio out jack (coaxial)
- connect to digital (coaxial) equipment
Audio / L/R (Left/Right)
- connect to an amplifier, receiver or stereo system
Video Out (CVBS)
- connect to a TV with CVBS video inputs
Video Out (CR CB Y)
- connect to your TV CR,CB,Y inputs for better picture quality
Video Out (S-Video)
- connect to a TV with S- Video (Y/C) inputs
MAINS
DIGITAL AUDIO OU
PCM/MPEG2/AC3/DT
OPTICAL
COAXIAL
AUDIO
CVBS
VIDEO OUT
Y
S-VIDEO

Caution: Do not touch the inner pins of the jacks on the rear panel connectors. Electrostatic discharge may cause permanent damage to the unit.

Remote control

TV MUTE
- DVD-mode: selects Stereo, Dolby Surround, 3D Sound reproduction
- TV-mode: mute ON/OFF

DVD/TV switch
- DVD mode/TV mode selector**



0-9 numerical key pad

RETURN
- go back to previous menu

OK
- acknowledge menu selection

◄◄ I◄
- search backward* / previous chapter or track

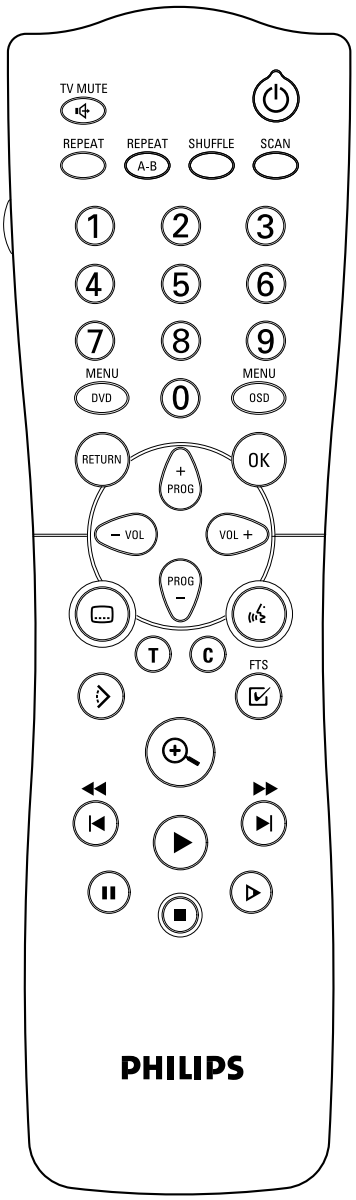
▶
- play

►► ►I
- search forward* / next chapter or track

II
- pause playback temporarily / frame-by-frame playback

■
- stop

▷
- slow motion



STANDBY-ON

REPEAT
- repeat chapter, track, title, disc

REPEAT A-B
- repeat sequence

SHUFFLE
- playback tracks in random order

SCAN
- playback of the first 10 seconds of each chapter within a title (DVD) or the first 10 seconds of each track on a disc (VCD/CD)

MENU DVD
- access menu of a DVD

MENU OSD
- access or remove On-screen display
- bit rate indicator*

PROG +/-
- DVD mode: up/down cursor movement
- TV mode: Program up/down

VOL +/-
- DVD mode: left/right cursor movement
- TV mode: Volume up/down

- subtitle language selector

- audio language selector

T
- select title

C
- select chapter

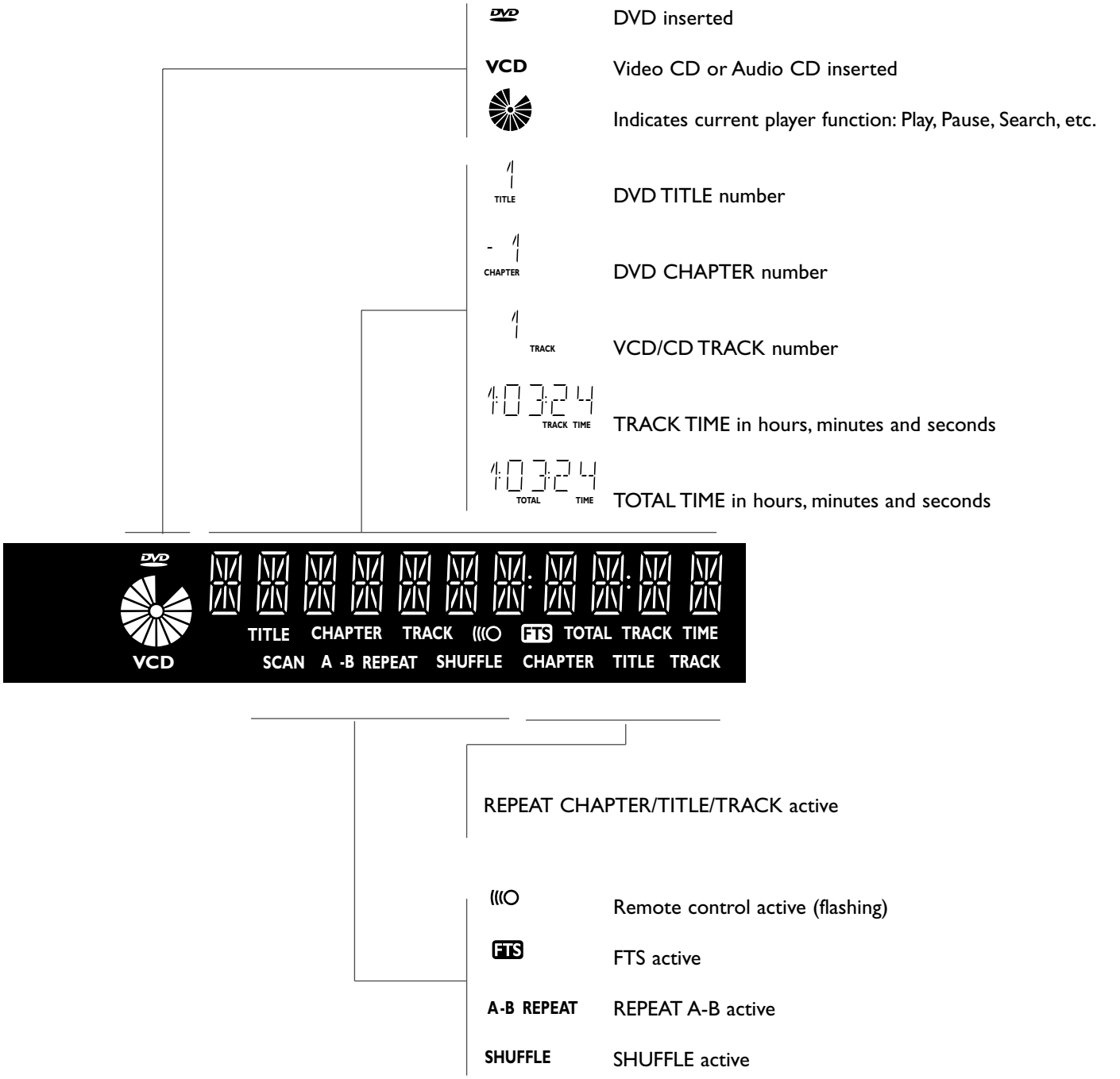
- activate FTS

- select DVD camera angle

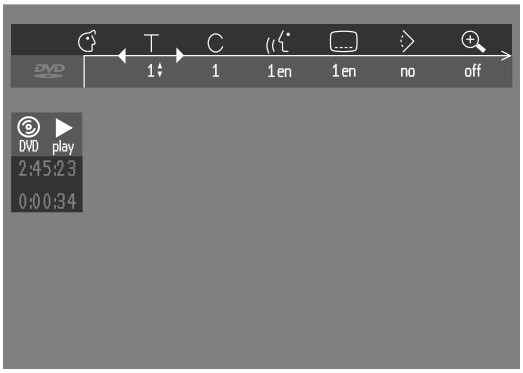
- enlarge video image

* Press key for about 2 seconds
** Press and hold while you press mute/VOL/PROG keys for compatible TVs
(Please refer to list of Setup Codes For Television from page 107 to 110)

Display

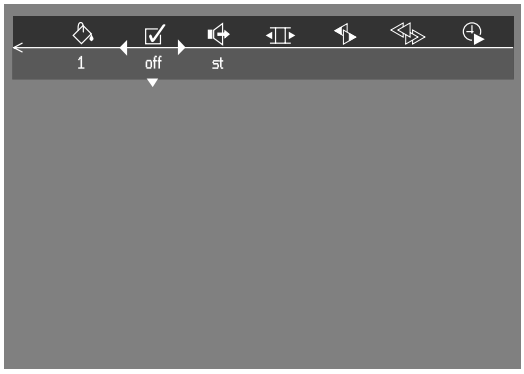

DVD inserted
VCD
Video CD or Audio CD inserted
Indicates current player function: Play, Pause, Search, etc.
TITLE
DVD TITLE number
CHAPTER
DVD CHAPTER number
TRACK
VCD/CD TRACK number
TRACK TIME
TRACK TIME in hours, minutes and seconds
TOTAL TIME
TOTAL TIME in hours, minutes and seconds
DVD
VCD
TITLE CHAPTER TRACK FTS TOTAL TRACK TIME
SCAN A -B REPEAT SHUFFLE CHAPTER TITLE TRACK
REPEAT CHAPTER/TITLE/TRACK active
Remote control active (flashing)
FTS active
A-B REPEAT
REPEAT A-B active
SHUFFLE
SHUFFLE active

On screen display information



Menu bar/Status window

- Personal preferences
- Title/Track
- Chapter/Index
- Audio language
- Subtitle language
- Angle
- Zoom
- Color Setting
- Video Program
- Sound
- Picture by Picture
- Slow motion
- Fast motion
- Time search



Status window icons

The status window displays the current status of the player and appears with the first part of the menu bar. (You must activate this in the Features Menu - see Personal Preferences for details).

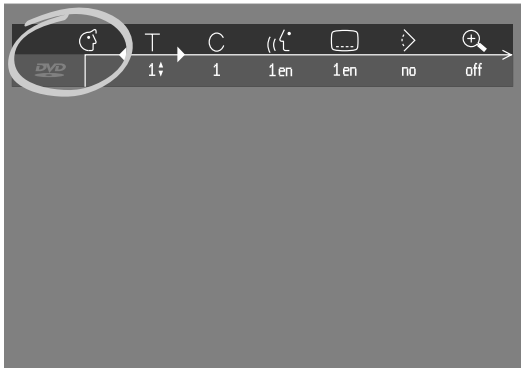
General

Disc type

Tray status

Default screen

The default screen is displayed when the player is in STOP mode.
It may contain a 'Status Window' and a 'Temporary Feedback Field'. This gives information concerning prohibited actions, playback modes, available angles, etc.



Temporary Feedback Field icons

Scan

Repeat All

Repeat Title

Repeat Track

Repeat Chapter

Shuffle

Shuffle Repeat

Repeat A to end

Repeat A-B

Angle

Child Lock On

Child Safe

Resume

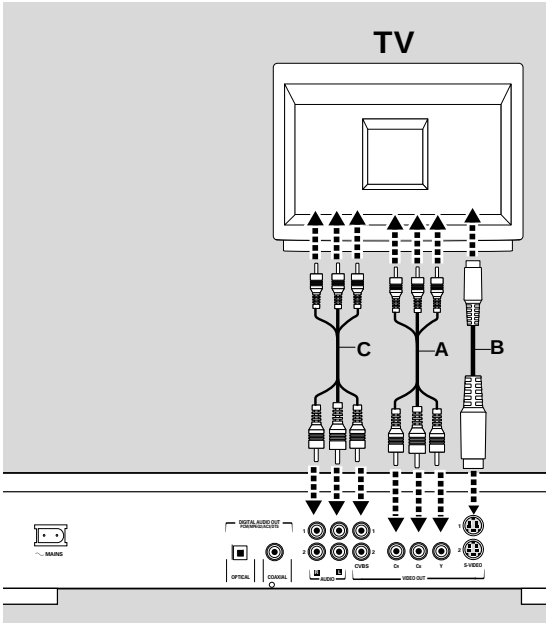
Action prohibited

General notes

- Depending on your TV and other equipment you wish to connect, there are various ways you could connect the player. Possible connections are shown in the following drawings.
  Please refer to the manuals of your TV, VCR, Stereo System or other devices as necessary to make the best connections.
- Do not connect your DVD-player via your VCR. The video quality could be distorted by the copy protection system.
- For better sound reproduction, connect the player's audio out jacks to the audio in jacks of your amplifier, receiver, stereo or A/V equipment. See 'Connecting to optional equipment'.

Caution: Do not connect the player's audio out jack to the phono in jack of your audio system.

Connecting to a TV



Component Video (Y C_R C_B) connection

1 Connect the C_R, C_B, Y jacks on the DVD-player to the corresponding jacks on the TV (cable not included) ***(A)***.
2 Connect the audio Left and Right out jacks to the audio left/right in jacks on the TV ***(C)***.

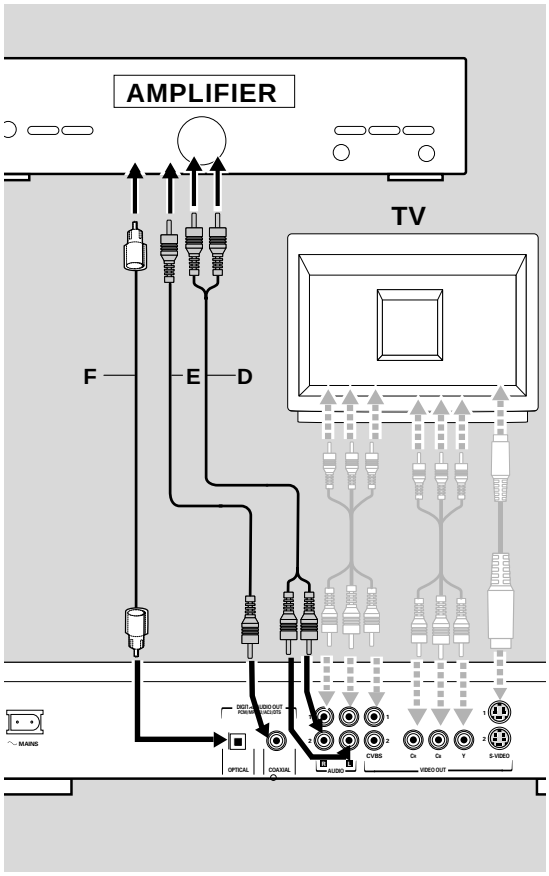
S-Video (Y/C) connection

1 Connect the S-Video jack on the DVD-player to the S-Video in jack on the TV using an optional S-Video cable ***(B)***.
2 Connect the audio Left and Right out jacks to the audio left/right in jacks on the TV ***(C)***.

Video CVBS connection

1 Connect the Video out (CVBS) jack to the video in jack on the TV using the audio/video cable supplied ***(C)***.
2 Connect the audio Left and Right out jacks to the audio left/right in jacks on the TV.

Connecting to optional equipment



Connecting to an amplifier equipped with two channel analog stereo

- Connect the audio Left and Right out jacks of the DVD player to the audio left and right in jack on your amplifier, receiver or stereo system, using the optional audio cable ***(D)***.

Connecting to an amplifier equipped with two channel digital stereo (PCM)

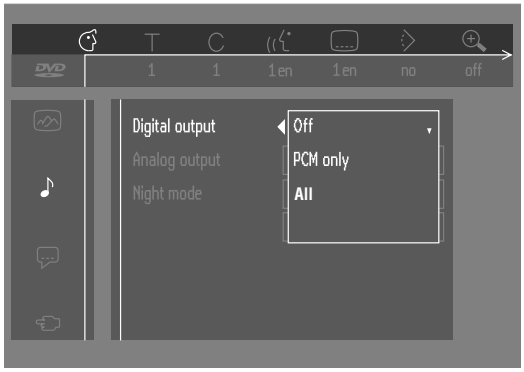
1 Connect the player's digital audio out jack (optical ***F*** or coaxial ***E***) to the corresponding in jack on your amplifier.
Use an optional digital (optical ***F*** or coaxial ***E***) audio cable.

2 You will need to activate the player's digital output (see 'Personal Preferences').

Connecting to an A/V receiver equipped with a multi-channel decoder (Dolby Digital™, MPEG 2 and DTS)

Digital Multi-channel sound

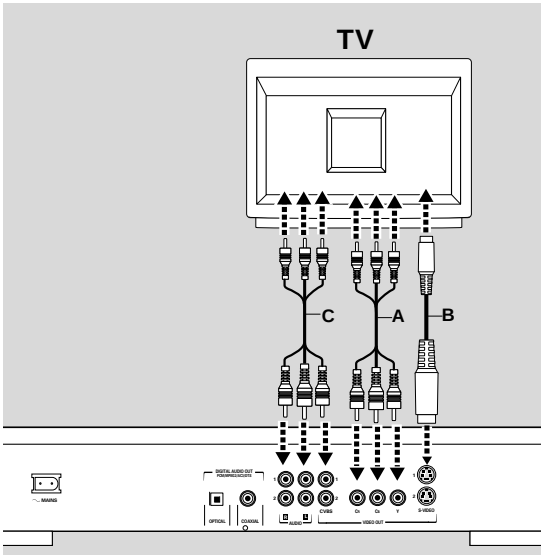
Digital multi-channel connection provides the best sound quality. For this you need a multi-channel A/V receiver that supports one or more of the audio formats supported by your DVD player (MPEG 2, Dolby Digital™, AC3 and DTS). Check the receiver manual and the logos on the front of the receiver.



1 Connect the DVD player's digital audio output (optical ***F*** or coaxial ***E***) to the corresponding input on the receiver using an optional digital (optical ***F*** or coaxial ***E***) audio cable.

2 You will need to activate the player's digital output (see 'Personal Preferences').

Note: If the audio format of the digital output does not match the capabilities of your receiver, the receiver will produce a strong, distorted sound or no sound at all. The selected audio format of the DVD is displayed in the Status Window when the Menu OSD is activated or Audio button is activated.
Six Channel Digital Surround Sound via digital connection can only be obtained if your receiver is equipped with a Digital Multi-channel decoder.
To see the selected audio format of the current DVD in the Status Window, press the MENU OSD or the Audio Language selector button.



Connecting to an amplifier equipped with Dolby Surround™

Dolby Surround sound

1 Connect the player to the TV, then connect the player's audio Left and Right out jacks to the corresponding in jacks on the Dolby Surround™ Audio/Video receiver, using the audio/video cable supplied ***(C)***.

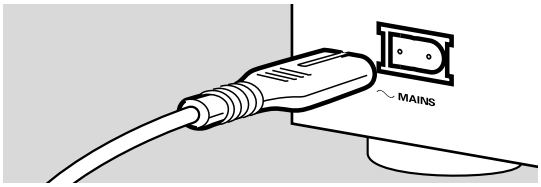
If your amplifier is equipped with a Dolby Digital™ decoder,

- Connect the player as described in 'Connecting to an A/V receiver with multi-channel decoder'.

If your TV is equipped with a Dolby Surround™ decoder,

- Connect the player to the TV as described in 'Connecting to a TV'.

Connecting the power cord



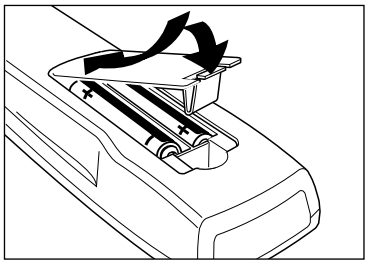
1 Plug the female end of the supplied power cord into the Mains (AC) jack on the rear of the player.
2 Connect the other end of the cord to an AC outlet.

Note: When the player is in the "STANDBY" mode, it is still consuming some power. If you wish to disconnect your player completely from the power, press POWER ON/OFF.

Caution: Only qualified service personnel should remove the cover or attempt to service this device.

Remote control battery installation

Loading the batteries



1 Open the battery compartment cover.
2 Insert batteries as indicated inside the battery compartment.
3 Close the cover.

Caution: Do not mix old and new batteries. Never mix different types of batteries (standard, alkaline, etc.)

NTSC/PAL Settings

You can switch the NTSC/PAL setting of the DVD player to match the video signal of your TV. This setting only affects the television's on-screen display that shows the stop and setup modes. You may select either NTSC or PAL. To change the DVD player setting to PAL or NTSC, follow the steps below.

1 Press the POWER ON/OFF button on the front panel of the DVD player to turn OFF the DVD player.
2 Press and hold ■ and ►►| on the front of the DVD player. While holding ■ and ►►|, press POWER ON/OFF.
3 After PAL or NTSC appears on the display panel of the DVD player, release ■ and ►►| at the same time. The PAL or NTSC that appears on the display panel indicates the current setting.
4 To change the setting, press ►►| within three seconds. The new setting (PAL or NTSC) will appear on the display panel.

General explanation

About this manual

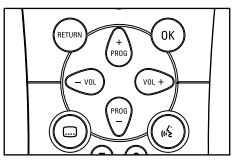
This manual gives the basic instructions for operating this DVD player. Some DVDs require specific operation or allow only limited operation during playback. In these cases, the player may not respond to all operating commands. When this occurs, please refer to the instructions contained with the DVD. When the symbol ⊘ appears on the TV screen, the operation is not permitted by the player or the disc.

Remote control operation

- Unless otherwise stated, all operations can be carried out with the remote control. Always point the remote control directly at the player, making sure there are no obstructions in the path of the infrared beam.
  When there are corresponding keys on the front panel of the player, they can also be used.

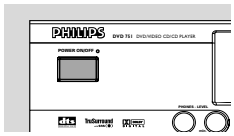
Menu bar operation

- A number of operations can be carried out via the menu bar on the screen. The menu bar can be accessed by pressing any of the following keys on the remote control: MENU OSD, T, C, Angle, Audio Language, Subtitle Language and Zoom.
- The following functions are available via the menu bar:
  - Personal preference
  - Title/Track
  - Chapter/Index
  - Audio language
  - Subtitle language
  - Angle
  - Zoom
  - Color Setting
  - Video Program
  - Sound
  - Picture by Picture
  - Slow motion
  - Fast motion
  - Time search



- The various items can be selected by pressing the **MENU OSD** button, then the ▼/▲ keys or by pressing relevant keys on the remote control.
- Pressing **MENU OSD** while the menu bar is displayed will clear the menu bar from the screen.
- When selecting an item in the menu bar, the selected item will be highlighted and the appropriate cursor keys to operate this item will be displayed below the icon.
- < or > indicates that more items are available at the left/right of the menu bar. Press ◀ or ▶ to select these items.

Turning On the power

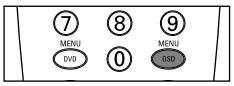


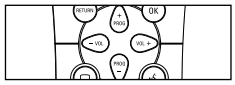
1 Switch on the TV and select the video input channel for your DVD-Video player.
2 Press POWER ON/OFF.
3 The player display lights up and is ready for operation.

Personal Preferences

You can set your personal preferences for some of the player features.

General operation:



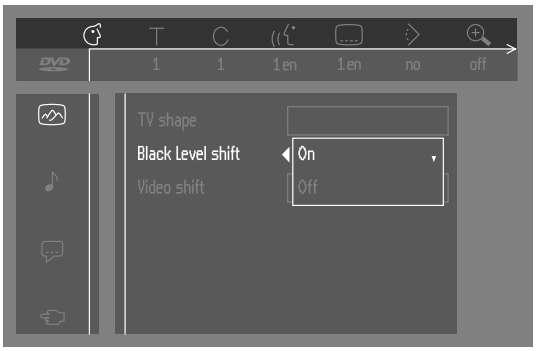


- Press **MENU OSD** on the remote control.
- Select in the menu bar.
  ➤ The Personal Preferences menu appears.
- Use the ◄ ► ▼ ▲ keys to toggle through the menus, submenus and submenu options.
  ➤ When a menu item is selected, the cursor keys (on the remote control) to operate the item are displayed next to the item.
- Press OK to confirm and return to the main menu.

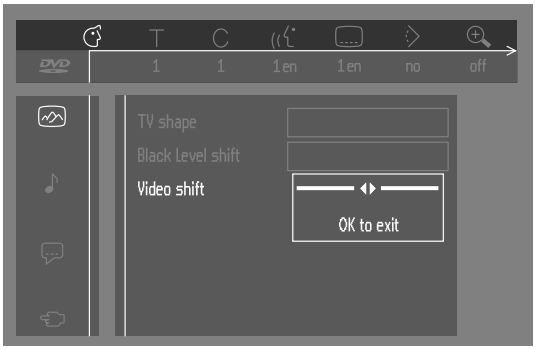
The following items can be adapted:

Picture

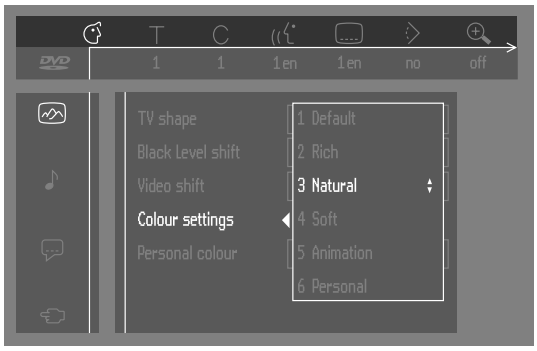
- TV Shape
If you have a wide screen (16:9) TV, select 16:9.
If you have a regular (4:3) TV, select 4:3.
If you have a 4:3 TV, you can also select between:
Letterbox for a 'wide-screen' picture with black bars top and bottom, or Pan Scan, for a full-height picture with the sides trimmed. If a disc has Pan Scan, the picture then moves (scans) horizontally to keep the main action on the screen.



- Black level shift (NTSC only)
Select ON for adapting the color dynamics to obtain richer contrasts.



- Video shift
The factory centers the video on your screen. Use this setting to personalize the position of the picture on your TV by scrolling it to the left or right.



- Color settings (YUV connection)
You can select one of five predefined sets of color settings (YUV connection only) and one set (Personal) which you can define yourself.

- Personal color
Allows you to fine-tune the selected color settings (YUV connection only) saturation, brightness and contrast.

Sound

- Digital output
Factory setting: ALL. This means that both coaxial and optical outputs are switched on. If you are not connecting equipment with a digital input, change the setting to OFF.
If your equipment doesn't include a digital multi-channel decoder, set the digital output to PCM (Pulse Code Modulation). Both coaxial and optical outputs are switched on.

- Analog output
Select Stereo, Dolby Surround or 3D sound.

- Night Mode
Optimizes the dynamics of the sound with low volume playback.

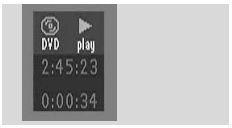
- Karaoke vocal
Put this setting to ON only when a multi-channel karaoke DVD is being played. The karaoke channels on the disc will then be mixed to a normal stereo sound.

Language

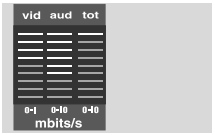
Select the required Menu, Audio and Subtitle language. See 'Initial Setup'. Audio language and Subtitle language can also be adapted via the Menu bar on the screen.

Features

- Access Control
Access Control contains the following features:
Child Lock - When Child Lock is set to ON, a 4-digit code needs to be entered in order to play discs.
Parental control - Allows the conditional presentation of DVDs containing Parental Control information (see 'Access Control').



- Status Window
Displays the current status of the player and is displayed with the menu bar. When disc playback is stopped, it is displayed with the 'Temporary Feedback Field' in the default screen. See 'On-Screen Display' information;
Factory setting is ON. Select OFF to suppress display of the Status Window.

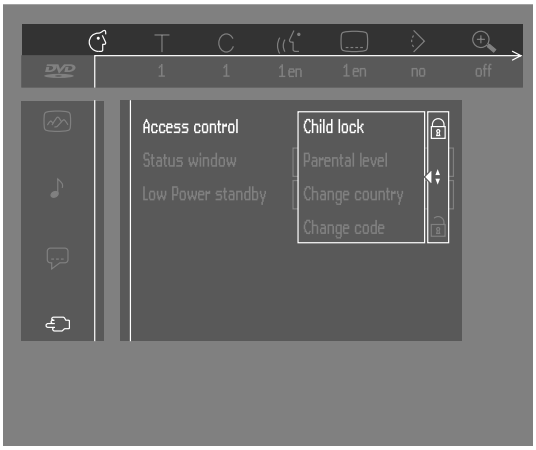


- Bit Rate Indicator
When activated, the bit rate for video, audio as well as total bit rate is displayed. This is only applicable during playback of DVD & SVCD discs.

- Beeper
The beeper can be set to ON or OFF.

Access control; child lock (DVD and VCD)

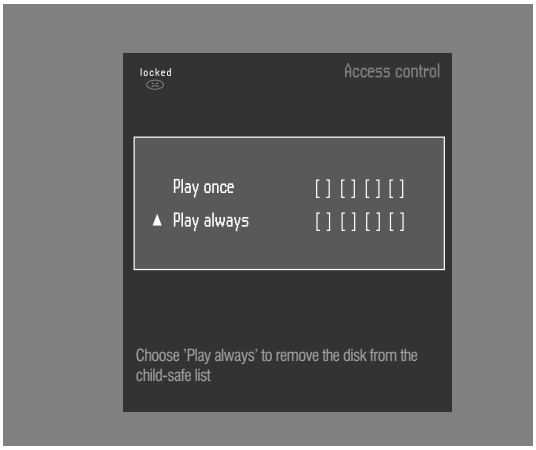
Activating/deactivating the child lock



1 When disc playback is stopped, select **ACCESS CONTROL** in the features menu using the ▼/▲ keys.
2 Enter a 4-digit code of your own choice.
3 Enter the code a second time.
4 Move to "Child Lock" using the ▼/▲ keys.
5 Move to LOCK/UNLOCK using the ▶ key.
6 Select LOCK using the ▼/▲ keys.
7 Press **OK** or ◀ to confirm, then press ◀ again to exit the menu.
➤ Now unauthorized discs will not be played unless the 4-digit code is entered.
8 Select UNLOCK to deactivate the Child Lock.

Note: Confirmation of the 4-digit code is necessary when:
- The code is entered for the very first time (see above),
- The code is changed (see 'Changing the 4-digit code'),
- The code is cancelled (see 'Changing the 4-digit code').

Authorizing discs



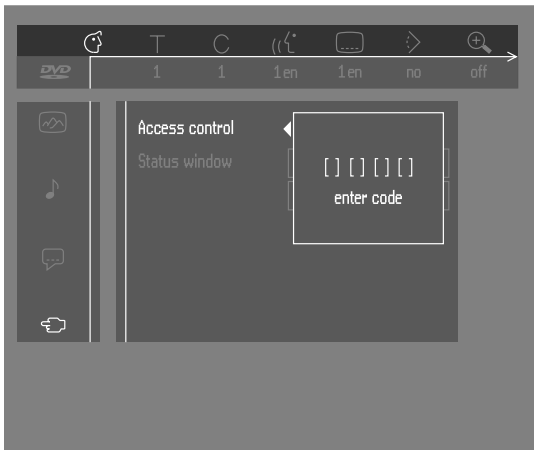
● Insert the disc. See 'Loading disc'.
➤ The 'child protect' dialog will appear.
You will be asked to enter your secret code for 'Play Once 'or 'Play Always.' If you select 'Play Once', the disc can be played as long as it is in the player and the player is ON. If you select 'Play Always', the disc will become child safe (authorized) and can always be played, even if the Child Lock is set to ON.

Notes: The player memory maintains a list of 50 authorized ('Child safe') disc titles. A disc will be placed in the list when 'Play Always' is selected in the 'child protect' dialog. Each time a 'child safe' disc is played, it will be placed on top of the list. When the list is full and a new disc is added, the last disc in the list will be removed from the list.
Double sided DVDs may have a different ID for each side. In order to make the disc 'child safe', each side has to be authorized.
Multi-volume VCDs may have a different ID for each volume. In order to make the complete set 'child safe', each volume has to be authorized.

Deauthorizing discs

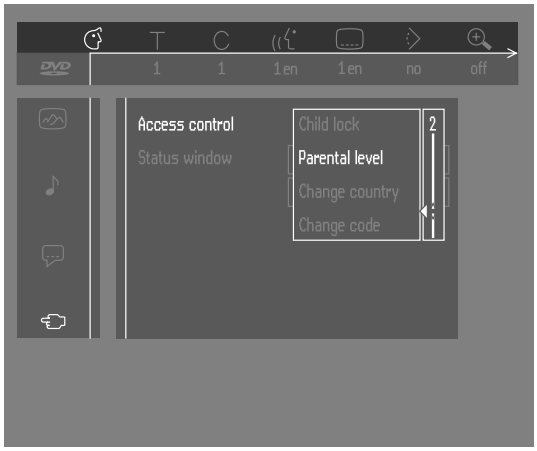
● Insert the disc. See 'Loading disc'.
➤ Playback starts automatically.
● Press ■ while ☺ is visible.
➤ The ☹ will appear and the disc is now deauthorized.

Access control; Parental control (DVD-Video only)



Movies on DVDs may contain scenes not suitable for children. Therefore, disc may contain 'Parental Control' information which applies to the complete disc or to certain scenes on the disc. These scenes are rated from 1 to 8, and alternative, more suitable scenes are available on the disc. Ratings are country dependent. The 'Parental Control' feature allows you to prevent discs from being played by your children or to have certain discs played with alternative scenes.

Activating/Deactivating Parental Control



1 When disc playback is stopped, select **ACCESS CONTROL** in the features menu using the ▼/▲ keys.
2 Enter your 4-digit code. If necessary, enter the code a second time.
3 Move to Parental Control using the ▼/▲ keys.
4 Move to **VALUE ADJUSTMENT** (1-8) using the ▶ key.
5 Then use the ▼/▲ keys or the numerical keys on the remote control to select a rating from 1 to 8 for the disc inserted.

Rating 0 (displayed as '– –'):
Parental Control is not activated. The Disc will be played in full.

Ratings 1 to 8:
The disc contains scenes not suitable for children. If you set a rating for the player, all scenes with the same rating or lower will be played. Higher rated scenes will not be played unless an alternative is available on the disc. The alternative must have the same rating or a lower one. If no suitable alternative is found, play will stop and the 4-digit code has to be entered.

6 Press **OK** or ◀ to confirm, then press ◀ again to exit the menu.

Country

1 When disc playback is stopped, select **ACCESS CONTROL** in the features menu using the ▼/▲ keys.
2 Enter the 4-digit code.
3 Move to **CHANGE COUNTRY** using the ▼ key.
4 Press the ▶ key.
5 Select a country using ▼/▲.
6 Press **OK** or ◀ to confirm, then press ◀ again to exit the menu.

Changing the 4-digit code

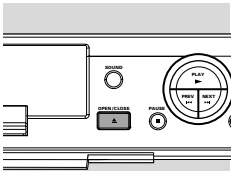
1. When disc playback is stopped, select **ACCESS CONTROL** in the features menu using the ▼/▲ keys.
2. Enter the old code.
3. Move to **CHANGE CODE** using the ▼ key.
4. Press the ▶ key.
5. Enter the new 4-digit code.
6. Enter the code a second time and reconfirm by pressing **OK**.
7. Press ◀ to exit the menu.

Note: If you forget your 4 digit code, it can be cancelled by pressing ■ four times in the 'Access Control' dialog. You can then enter a new code (twice!) as described above.

Parental Control Disclaimer

This DVD player features the PARENTAL CONTROL system which is intended to activate when playing DVD discs furnished with certain software coding. This is according to technical standards adopted by the set maker and disc content industries.
Please note that the PARENTAL CONTROL system will not operate a DVD disc which is not furnished with the appropriate software coding.
Also note that at the time of release of this DVD player, certain aspects of the technical standards had not been settled between set makers and the disc industries.
On this basis Philips cannot guarantee functioning of the PARENTAL CONTROL system and denies any liability associated with unintended watching of disc content.
If in doubt, please make sure the disc plays according to your PARENTAL CONTROL settings before you allow children access.

Loading discs



1 Press **OPEN/CLOSE** on the front of the player. The disc tray opens.
2 Load your chosen disc in the tray, label side up (also when a double sided DVD is inserted). Make sure it is sitting properly in the correct recess.
3 Press **OPEN/CLOSE**, to close the tray.

➤ READ appears in the status window and on the player display, and playback starts automatically.

Note: If 'Child Lock' is set to ON and the disc inserted is not in the 'child safe' list (not authorized), the 4-digit code must be entered and/or the disc must be authorized (see 'Access Control').

Playing a DVD-video disc

Playing a title

➤ After inserting the disc and closing the tray, playback starts automatically and the status window and the player display show the type of disc loaded, as well as information about the disc's contents and playing time.
The disc may invite you to select an item from a menu. If the selections are numbered, press the appropriate numerical key; if not, use the ▼/▲, ◀/▶ keys to highlight your selection, then press **OK**.
➤ The currently playing title and chapter number are displayed in the menu bar and the player display.
The elapsed playing time is shown in the status window and the player display.

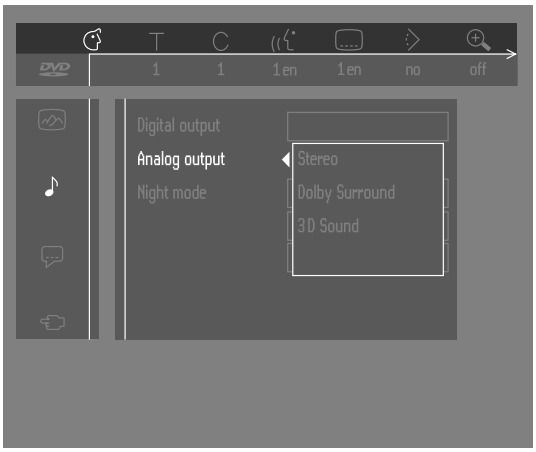
- If required, you can use the **Sound** key to select Stereo, Dolby Surround or 3D-Sound.
  Play may stop at the end of the Title, and the player may return to the DVD menu. To go on to the next title, press ▶.
- To stop play at any other time, press ■.
  ➤ The default screen will appear, giving information about the current status of the player.
- You can resume play from the point at which you stopped play. Press ▶; when you see the Resume icon I▶ on the screen, press ▶ again.
  ➤ The RESUME feature applies not only to the disc in the player, but also to the last four discs you have played. Simply reload the disc, and press ▶; when you see the Resume icon I▶ on the screen , press ▶ again.

Note: Since it is usual for DVD movies to be released at different times in different regions of the world, all players have region codes. Discs can have an optional region code. If you load a disc of a different region code into your player, you will see the region code notice on the screen. The disc will not play and should be removed from the player.

Playing a Video CD

Playing a disc

- After inserting the disc and closing the tray, playback starts automatically and the status window and the player display show the type of disc loaded, as well as information about the disc's contents and playing time.
- The disc may invite you to select an item from a menu. If the selections are numbered, press the appropriate numerical key.
- The currently playing track number is displayed in the menu bar and the player display. The elapsed playing time is shown in the status window and the player display.



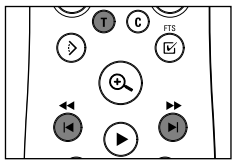
- If required, you can use the **SOUND** key to select Stereo, Dolby Surround or 3D-Sound.
- To stop play at any time, press ■.
  ➤ The default screen will then appear.
- You can resume play from the point at which you stopped play. Press ▶; when you see the Resume icon on the screen I▶, press ▶ again.
  The RESUME feature applies not only to the disc in the player, but also to the last four discs you have played. Simply reload the disc, and press ▶; when you see the Resume icon I▶ on the screen , press ▶ again.

General features

Note: Unless stated otherwise, all operations described are based on remote control operation. A number of operations can also be carried out via the menu bar on the screen (see 'Menu bar operation').

Moving to another title/track

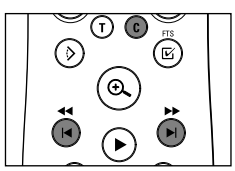
When a disc has more than one title or track (which you can see from both the menu bar and the player display), you can move to another title as follows:



- Press T (title/track), then press ►I briefly during play to select the next title/track.
- Press T (title/track), then press I◄ briefly during play to return to the beginning of the current title/track. Press I◄ **twice** briefly to step back to the previous title/track.

Moving to another chapter/index

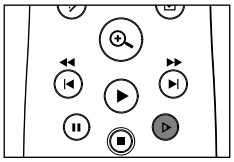
When a title on a disc has more than one chapter or a track has more than one index (which you can see from the player display and on the menu bar), you can move to another chapter/index as follows:



- Press ►I briefly during play to select the next chapter/index.
- Press I◄ briefly during play to return to the beginning of the current chapter/index. Press I◄ **twice** briefly to step back to the previous chapter/index.
- To go directly to any chapter or index, select C (chapter/index), then enter the chapter/index number using the numerical keys **(0-9)**.

Note: If the number has more than one digit, press the keys in rapid succession.

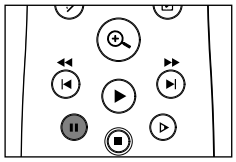
Slow Motion



- Select (Slow motion) in the menu bar.
- Use the ▼ keys to enter the Slow Motion menu.
  ➤ The player will now go into PAUSE mode.
- Use the cursor keys ◄ ► to select the required speed: -1, -1/2, -1/4 or -1/8 (backward), or +1/8, +1/4, +1/2 or +1 (forward).
- Select 1 to play at normal speed again.
- If **II** is pressed, the speed will be set to zero (pause).
- To exit slow motion mode, press ► and ▲.

You can also select Slow Motion speeds by using the ▷ button on the remote control.

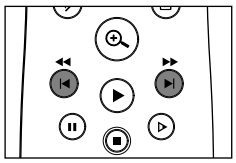
Still Picture and Frame-by-frame playback



- Select (picture by picture) in the menu bar.
- Use the ▼ key to enter the picture by picture menu.
  ➤ The player will now go into PAUSE mode.
- Use the cursor keys ◄ ► to select the previous or next picture frame.
- To exit Picture by picture mode, press ► or ▲.

You can also step forward by pressing **II** repeatedly on the remote control.

Search

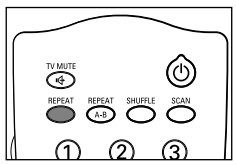


- Select (Fast motion) in the menu bar.
- Use the ▼ keys to enter the Fast Motion menu.
- Use the ◄ ► keys to select the required speed: -32, -8 or -4 (backward), or +4, +8, +32 (forward).
- Select 1 to play at normal speed again.
- To exit Fast Motion mode, press ► or ▲.

To search forward or backward through different speeds, you can also hold down ◄◄ or ►►.

Repeat

DVD-Video Discs - Repeat chapter/title/disc



- To repeat the currently playing chapter, press **REPEAT**.
  ➤ **REPEAT CHAPTER** appears on the player display.
- To repeat the title currently playing , press **REPEAT** a second time
  ➤ **REPEAT TITLE** appears on the display.
- To repeat the entire disc, press **REPEAT** a third time
  ➤ **REPEAT** appears on the display.
- To exit Repeat mode, press **REPEAT** a fourth time.

CHAPTER REPEAT **TITLE REPEAT** **REPEAT**

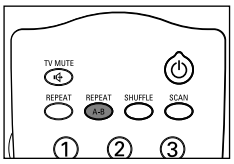
Video CDs - Repeat track/disc

- To repeat the track currently playing , press **REPEAT**.
  ➤ **REPEAT TRACK** appears on the player display.
- To repeat the entire disc, press **REPEAT** a second time.
  ➤ repeat appears on display and screen.
- To exit Repeat mode, press **REPEAT** a third time.

TRACK REPEAT

REPEAT

Repeat A-B

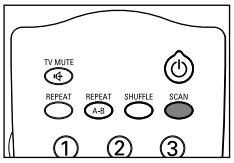


A-B REPEAT

To repeat a sequence in a title:

- Press **REPEAT A-B** at your chosen starting point;
  ➤ **A-** appears briefly on the screen.
- Press **REPEAT A-B** again at your chosen end point;
  ➤ **A-B REPEAT** appears briefly on the display, and the repeat sequence begins.(**A-B REPEAT** is displayed on the front panel of the player)
- To exit the sequence, press **REPEAT A-B**.

Scan

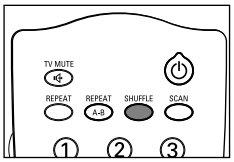


SCAN

Plays the first 10 seconds of each chapter/index on the disc.

- Press **SCAN**.
- To continue play at your chosen chapter/index, press **SCAN** again or press ▶.

Shuffle



SHUFFLE

DVD-Video discs

This shuffles the playing order of chapters within a title, if the title has more than one.

- Press **SHUFFLE** during play.
  ➤ SHUFFLE appears on the screen for about 2 seconds.
- To return to normal play, press **SHUFFLE** again.

Video CDs

This shuffles the playing order of the tracks, if the disc has more than one.

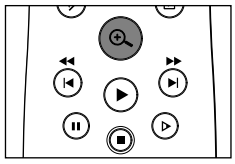
- Press **SHUFFLE** during play.
  ➤ SHUFFLE appears on the screen for about 2 seconds.
- To return to normal play, press **SHUFFLE** again.

Time search

The Time Search function allows you to start playing at any chosen time on the disc.

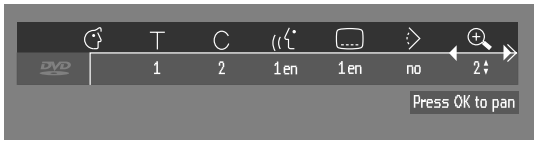
- Select (Time Search) in the menu bar.
- Press ▼.
  ➤ The player will now go into **PAUSE** mode.
  ➤ A time edit box appears on the screen, showing the elapsed playing time of the current disc.
- Use the digit keys to enter the required start time. Enter hours, minutes and seconds from left to right in the box.
  ➤ Each time an item has been entered, the next item will be highlighted.
- Press **OK** to confirm the start time.
  ➤ The time edit box will disappear and play starts from the selected time position on the disc.

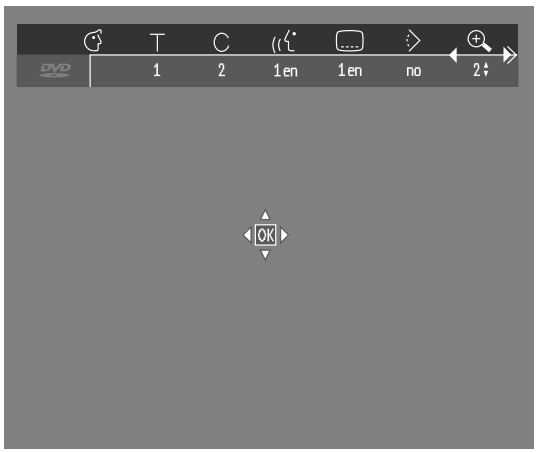
Zoom



The Zoom function allows you to enlarge the video image and to pan through the enlarged image.

- Select (Zoom) in the menu bar.
- Press ▼/▲ to activate the ZOOM function and select the required zoom factor: 1.33 or 2 or 4.
  ➤ The player will go into Pause mode.
  ➤ The selected zoom factor appears below the Zoom icon in the menu bar and *'Press OK to pan'* appears below the menu bar.





➤ The picture will change accordingly.

- Press **OK** to confirm the selection.
  ➤ The panning icons appear on the screen: ▲ ▼ ◄ ► and **OK**.
- Use the ▲ ▼ ◄ ► keys to pan across the screen.
- When **OK** is pressed only the zoomed picture will be shown on the screen.
- If you wish to zoom at any moment, press ⊕ (Zoom) and select the required zoom factor as described above.
- To exit Zoom mode:
  – Press ►.
  ➤ Playback will resume.
  – Press **STOP**, **MENU OSD**.

FTS-Video

- The FTS-Video function allows you to store your favorite titles and chapters (DVD) and favorite tracks and indexes (VCD) for a particular disc in the player memory.
- Each FTS program can contain 20 items (titles, chapters).
- Each time an FTS program is played it will be placed on top of the list. When the list is full and a new program is added, the last program in the list will be removed from the list.
- The selections can be called up and played at any time.

Storing a FTS-Video Program

- In STOP mode, select **Video FTS** ☑ in the menu bar.
- Press ▼ to open the menu.
  ➤ The **Video FTS** menu appears.
- Press ◄ or ► or **FTS** to select **ON** or **OFF**.

Storing titles/tracks

- Press ▼ to select **TITLES**.
- Use ► and ◄ to select the required title.
- Press **OK** if you wish to store the entire title.
  ➤ The title number will be added to the list of selections.

Storing chapters/indexes

- Press ▼ on the selected title number.
  ➤ The title number will be marked and the highlight moves to the first available chapter number for this title.
- Use ► and ◄ to select the required chapter number.
- Press **OK** to confirm the selection.
  ➤ The title/chapter selection will be added to the list of selections.
- Press **MENU OSD** to exit the **Video FTS** ☑ menu.

Erasing a FTS-Video Program

- In STOP mode, select **Video FTS** ☑ in the menu bar.
- Use ▼ to select **PROGRAM**.
- Use ► and ◄ to select the required selection number.
- Press **OK** to erase the selection.
- Press **MENU OSD** to exit.

If you wish to erase all selections:

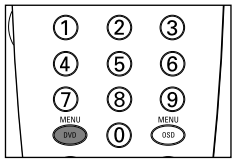
- In STOP mode, select **Video FTS** ☑ in the menu bar.
- Use ▼ to select **CLEAR ALL**.
- Press **OK**.
  ➤ All selections will now be erased.
- Press **MENU OSD** to exit.

Special DVD features

Checking the contents of DVD-Video discs: Menus

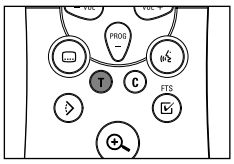
For titles and chapters, selection menus may be included on the disc. The DVD's menu feature allows you to make selections from these menus. Press the appropriate numerical key; or use the ▼, ▲, ▶, ◀ keys to highlight your selection, then press **OK**.

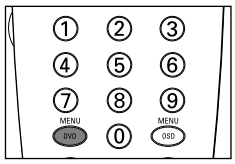
Title menus



- Press **MENU DVD**.
  ➤ If the current title has a menu, the menu will appear on the screen. If no menu is present in the title, the disc menu will be displayed.
- The menu can list camera angles, spoken language and subtitle options, and chapters for the title.
- To remove the title menu, press **MENU DVD** again.

Disc menu

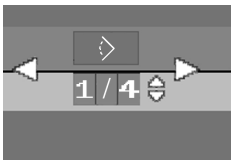




- Press T then press **MENU DVD**.
  ➤ The disc menu is displayed.
- To remove the disc menu, press T, then press **MENU DVD**.

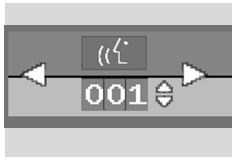
Camera Angle

If the disc contains sequences recorded from different camera angles, the angle icon appears, showing the number of available angles and the angle being shown currently. You can then change the camera angle if you wish.



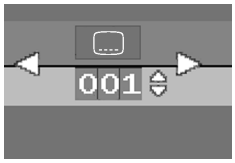
- Use the ▼/▲ keys to select the required angle in the angle icon.
  ➤ After a small delay, play changes to the selected angle. The angle icon remains displayed until multiple angles are no longer available.

Changing the audio language



- Select (Audio) in the menu bar.
- Press or ▼/▲ repeatedly to see the different languages.

Subtitles



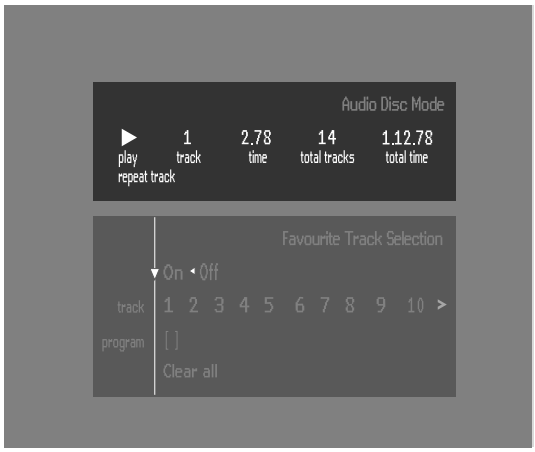
- Select (Subtitle) in the menu bar.
- Press or ▼/▲ repeatedly to see the different subtitles.

Special VCD-Features

Playback Control (PBC)

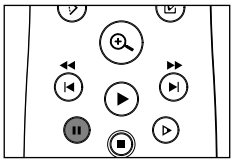
- Load a Video CD with PBC and press ▶.
- Go through the menu with the keys indicated on the TV screen until your chosen passage starts to play. If a PBC menu consists of a list of titles, you can select a title directly.
- Enter your choice with the numerical keys **(0-9)**.
- Press **RETURN** to go back to the previous menu.
- You may also set the PBC OFF under Personal Preferences menu.

Playing an audio CD



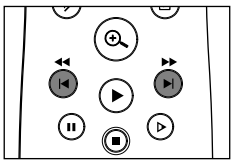
- After loading the disc, playback starts automatically.
- If the TV is on, the Audio CD screen appears.
- The number of tracks and the total playing time will be shown on the screen.
- During play, the current track number and its elapsed playing time will be shown on the screen and on the player display.
- Playback will stop at the end of the disc.
- To stop play at any other time, press ■.

Pause



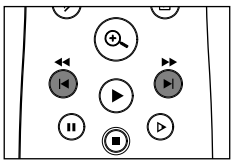
- Press **II** during play.
- To return to play, press ▶ .

Search



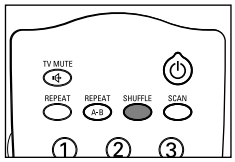
- To search forward or backward through the disc at four times normal speed, hold down ◀◀ or ▶▶for about one second during play.
  ➤ Search begins, and sound is partially muted.
- To step up to eight times the normal speed, press ◀◀ or ▶▶ again.
  ➤ Search goes to eight times the speed, and the sound is muted.
- To return to four times the normal speed, press ◀◀ or ▶▶ again.
- If the TV is on, search speed and direction are indicated on the screen each time ◀◀ or ▶▶ is pressed.
- To end the search, press ▶ to resume playback or ■ to stop.

Moving to another track



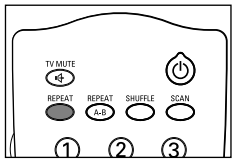
- Press ▶| briefly during play to go to the next track.
- Press |◀ briefly during play to return to the beginning of the current track. Press |◀ **twice** briefly to step back to the previous track.
- To go directly to any track, enter the track number using the numerical keys **(0-9)**.

Shuffle



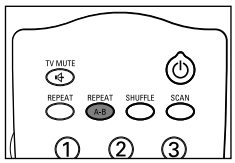
- Press **SHUFFLE** during play.
  ➤ The order of the tracks is changed.
- To return to normal play, press **SHUFFLE** again.

Repeat track/disc



- To repeat the track currently playing , press **REPEAT**.
  ➤ **REPEAT TRACK** appears on the display.
- To repeat the entire disc, press **REPEAT** a second time.
  ➤ **REPEAT** appears on the display.
- To exit Repeat mode, press **REPEAT** a third time.

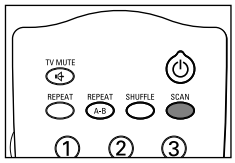
Repeat A-B



To repeat a sequence:

- Press **REPEAT A-B** at your chosen starting point;
  ➤ **A-** appears on the player display.
- Press **REPEAT A-B** again at your chosen end point;
  ➤ **A-B** appears on the display, and the sequence begins to play repeatedly.
- To exit the sequence, press **REPEAT A-B** again.

Scan



Plays the first 10 seconds of each track on the disc.

- Press **SCAN**.
- To continue play at your chosen chapter/index, press **SCAN** again or press ▶.

FTS Program

- FTS Program allows you to store your favorite tracks for a particular disc in the player memory.
- Each FTS Program can contain 20 tracks.

Storing an FTS Program

Audio Disc Mode
▶ 1 2.78 14 1.12.78
play track time total tracks total time
repeat track
Favourite Track Selection
On Off
track 1 2 3 4 5 6 7 8 9 10 >
program [ ]
Clear all

1 Load a disc and stop playback.
2 Use ▼ to go to the list of available tracks.
3 Use ◄ or ► to select tracks from the list.
To go directly to any track, enter the track number using the numerical keys **(0-9)**.
4 Store each track by pressing **OK**.
➤ The track numbers will be added to the list of selected tracks.
➤ The number of tracks and the playing time of the program will be shown on the screen and the player display.

When your FTS Program is complete, press ► to start play, or ▲ to go back to Stop mode. In either case, the FTS Program will be automatically memorized.

Switching FTS ON/OFF

1 Use ▲ ▼ to move to the top.
2 Use ◄ or ► to select either ON or OFF.

Erasing a track from an FTS Program

1 Use ▼ to go to the list of selected tracks.
2 Use ◄ and ► to select the track number you wish to erase.
3 Press **OK**.
➤ The track number will be erased from the list of selected tracks.

Erasing the complete program

● Use ▼ to select Clear All, then press **OK**.
➤ The complete FTS Program for the disc will be erased.

Before requesting service

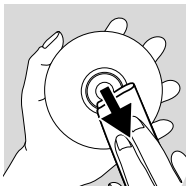
If it appears that the DVD-Video player is faulty, first consult this checklist. It may be that something has been overlooked. Under no circumstances attempt to repair the system yourself; this will invalidate the warranty.

Look for the specific symptom(s). Then perform only the actions listed to remedy the specific symptom(s).

Symptom	Remedy
No power	Make sure the mains cord (AC) is properly connected. Check if there is power at the AC outlet by plugging in another appliance.
No picture	Check if the TV is switched on. Check the video connection.
Distorted picture	Check the disc for fingerprints and clean with a soft cloth, wiping from center to edge. Sometimes a small amount of picture distortion may appear .This is not a malfunction.
Completely distorted picture or no color with player menu.	If the picture is distorted completely or if the picture rolls vertically, make sure the NTSC/PAL setting at the DVD player matches the video signal of your television. If your TV video signal is NTSC, select the NTSC setting at the DVD player. If your video signal is PAL, select the PAL setting - see **NTSC/PAL SETTINGS**.
Distorted or Black/White picture with DVD or Video CD.	The disc format does not match your TV's video signal (PAL/NTSC).
No sound	Check audio connections. If you are using a HiFi amplifier, try another sound source.
Distorted sound from HiFi amplifier.	Check to make sure that no audio connections are made to the amplifier phono input.
No audio at digital output.	Check the digital connections. Check the settings menu to make sure the digital output is set to ALL or PCM. Check if the audio format of the selected audio language matches your receiver capabilities.
Disc can't be played.	Ensure the disc label is facing up. Clean the disc. Check if the disc is defective by trying another disc. Check to see if the disc is defective, badly scratched or warped (not flat)
No return to start-up screen when disc is removed.	Reset by switching the player off, then on again. Check to see if the program requires another disc to be loaded.
The player does not respond to the remote control.	Aim the remote control directly at the sensor on the front of the player. Remove any obstacles between the player and the remote control. Inspect or replace the batteries in the remote control.
Buttons do not work.	In order to completely reset the player, unplug the AC cord from the AC outlet.
Player does not respond to all operating commands during playback.	Operations are not permitted by the disc. Refer to the instructions of the disc.
DVD-Video player cannot read CDs/DVDs	Use a commonly available cleaning CD/DVD to clean the lens before correctly taking the DVD-Video player to be repaired.

Cleaning discs

Some problems occur because the disc inside the player is dirty. To avoid these problems clean your discs regularly, in the following way:



- When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the center out.

Caution: Do not use solvents such as benzine, thinner, commercially available cleaners, or anti-static spray intended for analog discs.

Specifications

PLAYBACK SYSTEM

DVD-Video
Video CD
CD (CD-R and CD-RW)

OPTICAL READOUT SYSTEM

Lasertype	Semiconductor AlGaAs
Numerical Aperture	0.60 (DVD)
	0.45 (VCD/CD)
Wavelength	650 nm (DVD)
	780 nm (VCD/CD)

DVD DISC FORMAT

Medium	Optical Disc	
Diameter	12cm (8cm)	
Playing time	One layer	2.15 h*
(12cm)	Dual layer	4 h*
	Two side	4.30 h*
	Single layer	
	Two side	8 h*
	Dual layer	

TV STANDARD	EUROPE	USA
	(PAL/50Hz)	(NTSC/60Hz)
Number of lines	625	525
Playback	Multistandard	(PAL/NTSC)

VIDEO FORMAT

DA Converter	10 bits
Signal handling	Components
Digital Compression	MPEG2 for DVD, MPEG1 for VCD

DVD

Horiz. Resolution	720 pixels**	720 pixels**
Vertical Resolution	576 lines	480 lines

VCD

Horiz. Resolution	352 pixels	352 pixels
Vertical Resolution	288 lines	240 lines

VIDEO PERFORMANCE

Video output	1 Vpp into 75 ohm
S-Video output	Y: 1 Vpp into 75 ohm
	C: 0.3 Vpp into 75 ohm
Y	1 Vpp into 75 ohm
C_R	0.7 Vpp into 75 ohm
C_B	0.7 Vpp into 75 ohm
Black Level Shift	On/Off
Video Shift	Left/Right

AUDIO FORMAT

Digital	MPEG	Compressed Digital
	DTS/AC-3	
	PCM	16, 20, 24 bits
		fs, 44.1, 48, 96 kHz

Analog Sound Stereo
Dolby Pro Logic downmix from AC-3 multi-channel sound
3D Sound for virtual 5.1 channel sound on 2 speakers

AUDIO PERFORMANCE

DA Converter	24 bits	
DVD	fs 96 kHz	4 Hz - 44 kHz
	fs 48 kHz	4 Hz - 22 kHz
Video CD	fs 48 kHz	4 Hz - 22 kHz
CD	fs 44.1 kHz	4 Hz - 20 kHz
Signal-Noise (1kHz)		103 dB
Dynamic Range (1kHz)		98 dB
Crosstalk (1kHz)		115 dB
Distortion and Noise (1kHz)		95 dB
Headphone	30mW at 32 Ohm load, headphone imp. 8-2k Ohm	

CONNECTIONS

S-Video Output	Mini DIN, 4 pin 2x	
Video Output	Cinch 2x (yellow)	
Component Video	Y	Cinch (green)
	C_R	Cinch (blue)
	C_B	Cinch (red)
Audio L+R output	Cinch (white/red) 2x	
Digital Output	1 coaxial, 1 optical	
	IEC958 for CDDA / LPCM	
	IEC1937 for MPEG1, MPEG2 and AC-3	
	DTS	
Headphone	6.3 mm Jack	

CABINET

Dimensions (w x h x d)	435 x 92 x 320mm
Weight	Approx. 4 Kg

PACKAGE CONTENTS

DVD-Video Player
Remote Control & Batteries
Power cord
Instruction for Use
Audio/Video cable

GENERAL FUNCTIONALITY

Stop / Play / Pause
Fast Forward / Backward
Time search
Step Forward / Backward
Slow
Title / Chapter / Track Select
Skip Next / Skip Previous
Repeat (Chapter / Title / All) or (Track / All)
A-B Repeat
Shuffle
Scan
Enhanced ease of use graphical interface
Perfect Still with digital multi-tap filter
Zoom (xl.33, x2. x4) with picture enhancement
Smart Picture
3D Sound
Virtual Jog Shuttle
Audio and video bit rate indicator
Beeper

DVD FUNCTIONALITY

Multi-angle Selection
Audio Selection (1 out of max. 8 languages)
Subtitles Selection (1 out of max. 32 languages)
Aspect Ratio conversion (16:9, 4:3 Letterbox, 4:3 Pan Scan)
Parental Control and Disk Lockout
Disc Menu support (Title Menu and Root Menu)
Resume (5 discs) after stop / standby
Screen Saver (Dim 75% after 15 min.)
Programming Titles/chapters with Favorite Selection

VIDEO CD FUNCTIONALITY

Playback Control for VCD 2.0 discs
Disc Lock
Resume (5 discs) after stop / standby
Screen Saver (Dim 75% after 15 min.)
Programming Tracks with Favorite Selection

AUDIO CD FUNCTIONALITY

Time Display (Total / Track / Remaining Track Time)
Full audio functionality with remote control
Programming with Favorite Track Selection

* typical playing time for movie with 2 spoken languages and 3 subtitle languages.
** equivalent to 500 lines on your TV

Specifications subject to change without prior notice